

Title (en)

WAKE-UP CIRCUIT ARRANGEMENT FOR A MICROPROCESSOR.

Title (de)

AUFWECK-SCHALTUNGSANORDNUNG FÜR EINEN MIKROPROZESSOR.

Title (fr)

CIRCUIT D'ACTIVATION POUR UN MICROPROCESSEUR.

Publication

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Application

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Priority

DE 3926178 A 19890808

Abstract (en)

[origin: WO9102303A1] In a wake-up circuit arrangement for a microprocessor (μ C) which controls electrical devices, in particular in a motor vehicle, peripheral components (15, 17) of the microprocessor (μ C) can be disconnected from a voltage supply arrangement (7) and the microprocessor (μ C) can be switched into an idle or stop mode. In order to execute a queueing program, the microprocessor (μ C) can be switched out of this mode into its operating mode by an external switching signal which actuates an electronic wake-up circuit (20, 20') associated with the microprocessor (μ C). To ensure reliable switching of the microprocessor (μ C) independently of the type and duration of the control signal, the switching signals are fed in the form of potential jumps to a timing pulse generator stage (C1, R8, IC1) the output (23) of which switches a pulse (25) of defined length to the interrupt input (INT) of the microprocessor (μ C). The microprocessor (μ C) then exits the idle or stop mode and switches on the voltage supply arrangement (7) for the peripheral components (15, 17).

IPC 1-7

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IPC 8 full level

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